

# OHIO

## Science and Engineering Profile

	Ohio	U.S.	Rank		Ohio	U.S.	Rank
Doctoral scientists, 1993	14,727	430,332	9	Total R&D performance, 1993 (millions)	\$6,395	\$161,427	10
Doctoral engineers, 1993	3,888	81,293	5	Industry R&D, 1993 (millions)	\$5,144	\$117,622	8
S&E doctorates awarded, 1995	1,065	26,482	7	Academic R&D, 1994 (millions)	\$623	\$20,573	10
of which, in engineering	28%	23%		of which, in life sciences	51%	55%	
in life sciences	23%	24%		in engineering	27%	16%	
in physical sciences	17%	14%		in physical sciences	9%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	968	36,143	12	expenditures, 1993 (millions)	\$6,086	\$163,994	7
S&E graduate students, 1994				Number of SBIR awards, 1990-94	468	18,023	11
in doctorate-granting institutions	22,084	438,694	5	Patents issued to state residents, 1995	2,418	55,717	8
Population, 1995 (000s)	11,151	262,755	7	Gross state product, 1992 (billions)	\$241.6	\$5,994.1	7
Civilian labor force, 1995 (000s)	5,584	132,281	7	of which, agriculture	1%	2%	
Personal income per capita, 1995	\$22,021	\$22,788	22	manufacturing, mining, construction	30%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$50,543	\$1,326,294	8	wholesale and retail trade	16%	16%	
R&D obligations, 1994 (millions)	\$1,734	\$65,654	14	finance, insurance, real estate	16%	18%	
				services	18%	20%	
				government	10%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development in Ohio by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	1,734,371	585,982	0	732,833	333,732	77,365	4,459	14
<b>Department of Agriculture</b>	16,521	7,274	0	6	9,226	8	7	29
<b>Department of Commerce</b>	2,906	0	0	1,972	913	21	0	25
<b>Department of Defense</b>	814,577	289,826	0	455,216	51,259	18,276	0	14
<b>Department of Energy</b>	25,550	0	0	16,407	7,397	1,746	0	23
<b>Dept. of Health &amp; Human Services</b>	259,485	13,173	0	10,292	187,556	47,419	1,045	10
<b>Department of the Interior</b>	3,801	3,122	0	0	679	0	0	34
<b>Department of Transportation</b>	11,456	5,194	0	876	1,404	1,523	2,459	13
<b>Environmental Protection Agency</b>	47,838	22,096	0	6,489	18,522	0	731	3
<b>Nat'l Aeronautics &amp; Space Admin.</b>	516,892	245,297	0	240,739	22,267	8,372	217	6
<b>National Science Foundation</b>	35,345	0	0	836	34,509	0	0	19
<b>State rank</b>	14	6	na	11	10	9	16	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.